

B.A.R.G. NEWS

The official Newsletter of the Ballarat Amateur Radio Group Inc. (#6953T)

CLUB ROOMS
BALLARAT AIRPORT
UNIT 31

P.O. BOX 1261
MAIL CENTRE
BALLARAT VIC 3354

Volume 25 Number 11

NOVEMBER 2002

MEETING DATES

At Club Rooms 8pm start

November 29th.

December - No Meeting

2003

January 31st

February 28th

March 28th

April 25th - ? Anzac Day

May 30th

June 27th

July 25th

August 29th

September 26th

October 31st

November 28th

December - No Meeting.



IN THIS ISSUE



Page 1 : Meeting Dates.

Page 2 : Who is who at BARG

Page 3 : Committee Greeting – Word Search

Page 4 : Daryl's Page – "Moon Bounce TV " ?

Page 5 : 2003 Meeting Calendar

Page 6 :

Page 7 : Sponsors. – Mowing roster – From the Wise

Page 8 : Wrapper

A
V
E
R
Y

M
E
R
R
Y



CHRISTMAS TO ALL



Inc. # 6953T

OFFICE BEARERS – 2002 / 2003



COMMITTEE



PRESIDENT	GORDON CORNELL	VK3FGC	HELEN	5339 2427
VICE PRESIDENT				
SECRETARY	TOM GEORGE	VK3DMK	ELAINE	5333 2770
TREASURER	BOB TERRILL	VK3BNC	BETTY	5339 5317
MEMBER'S REP.	DOUG RAPER	VK3VBA	VAL	5332 3565
MEMBER'S REP.	CHARLIE STEWART	VK3DCS	SHIRLEY	5331 7425
MEMBER'S REP.	IAN LLOYD	VK3HFK	DEBBIE	5331 1480
MEMBER'S REP.	STEVEN DICK	VK3MNA	MARY	5331 5526
MEMBER'S REP.	PETER DIPROSE	VK3KDP	MARION	5339 9928
MEMBER'S REP.				

OFFICERS

QSL MANAGER	DARYL QUIRK	VK3XDQ	WENDY	5476 2689
EDUCATION OFFICER	TOM GEORGE	VK3DMK	ELAINE	5333 2770
TECHNICAL OFFICER	BOB TERRILL	VK3BNC	BETTY	5339 5317
NEWSLETTER EDITOR	NORM D'ANGRI	VK3LBA	VAL	5334 1613
NET CO-ORDINATOR	CLEM ALLAN	VK3BVI	PAT	5348 7709
AWARDS MANAGER	REG CARTER	VK3CAZ	SHIRLEY	5341 7585
HISTORIAN/LIBRARIAN	DICK CURNOW	VK3LDC	SHIRLEY	5330 1927
EXAMINATION OFFICER	CHARLIE STEWART			5331 7425
MEMBER REGISTRAR	NORM D'ANGRI			5334 1613
PUBLICITY OFFICER	DOUG RAPER			5332 3565
PROPERTY OFFICER	JEFF DICK		LYN	5332 7041
WICEN STATE CO-ORD.		VK3FGC	HELEN	5339 2427
HAMVENTION CO-ORD.		VK3MNA	MARY	5331 5526
SCRAMBLE CO-ORD.		VK3CAZ	SHELAGH	5341 7585
AMENITIES COMMITTEE	SHIRLEY STEWART	SWL	CHARLIE	5331 7425
	SHELAGH CARTER	SWL	REG	5341 7585
	BETTY TERRILL	XYL	BOB	5339 5317
	MARY CURNOW	VK3FMC	DICK	5330 1927
	VALERIE SMITH	XYL	GEOFFREY	5345 8387

TO BE UPDATED

BARG REPEATERS

VK3RBA	VOICE	146.750 MHz	Mt Buninyong
VK3RWA	VOICE	147.100 MHz	Ben Nevis
VK3RPC	PACKET	144.750 MHz	Mt. Warrenheip
VK3RBU	VOICE	438.475 MHz	Mt. Hollowback.
VK3RMB	BEACON	432.535 MHz	Mt. Buninyong
VK3RBV	ATV	426.250 MHz	Ballarat

BARG LIFE MEMBERS

VK3CFB	JIM WRIGHT
VK3AXH	IAN MC.DONALD
VK3WN	KEVIN HUGHES
exVK3AQM	PHIL SEDDON

10M NET: Tuesday Nights 8 pm.
28.475 mHz

ACTIVITIES

CLUB NET: Thursday Nights at 8 pm. (8.30 pm during Daylight Saving.) Freq.: 3.610 MHz +/- QRM.

MEETINGS: General Meeting : Last Friday each month (except December) at 8.00 pm. at Club Rooms.

CLUB ROOMS : Ballarat Airport – Unit 31 – (Off Learmonth Road) Ballarat.

HAMVENTION : Last weekend in October (2002 – 27th October.) **FOXHUNTING**: 5/6th October

CONSTRUCTION DAYS : Saturday afternoons at clubrooms - 1 pm.

CORRESPONDENCE TO: The Secretary. BARG Inc.. BOX 1261 MAIL CENTRE. BALLARAT 3354

NEWSLETTER ARTICLES TO: Norm D'Angri (VK3LBA). 29 Lawrence St. Alfredton Vic. 3350

email: <nda@vic.australis.com.au>

B.A.R.G. HOMEPAGE: www.barg.org.au

DISCLAIMER: While every care is taken when reporting events and reproducing articles, BARG Inc. or it's Officers do not accept any liability for disputed articles, views or or comments expressed in the Newsletter. Projects are assumed to have been validated by the contributors. Reproduction by other Radio Clubs is welcome subject to the usual acknowledgements.



THE PRESIDENT AND COMMITTEE OF B.A.R.G.

WISH ALL MEMBERS AND FRIENDS

A VERY MERRY
CHRISTMAS
AND A
HAPPY AND SAFE
NEW YEAR

Instruments of Measure

R E T E M O R E F R E T N I S
E B G W A G A S M E T E R Z E
T A A F G Y N R E P I L A C I
E L U K N G G W T N A T X E S
M A G R E T E M O N O R H C M
C N E K T V F R E T E M O D O
I C A L O R I M E T E R Q J G
R E T E M O N A V L A G S G R
T L S P E E D O M E T E R E A
C B B B T R E T E M O R A B P
E R E T E M R E T A W A T C H
L A P B R E T E M O M A N Y D
E R E T E M O M R E H T Z E I
E L D E E N P I D N I A H C J
F A T H O M E T E R K C O L C

Balance
Barometer
Caliper
Calorimeter
Chain
Chronometer
Clock
Dip needle

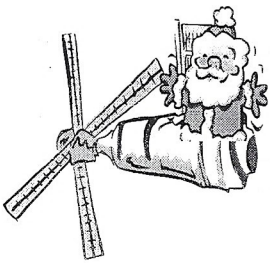
Dynamometer
Electric meter
Fathometer
Galvanometer
Gas meter
Gauge
Interferometer
Magnetometer

Odometer
Range finder
Seismograph
Sextant
Speedometer
Thermometer
Watch
Water meter

EXAMINATIONS

Examinations will be held at the Clubrooms on Saturday the 30th November for Full Call and Novice Licences.

Good luck to the 7 candidates – we wish you well.



Daryl's Space

Articles supplied by Daryl – VK3XDQ - Tnx Daryl

Dr. Anthony Mann of the physics department at the Western Australian University, has created a "receiving system" which allows him to tune in Television Signals from the United States.

Tony has been a DX, TV enthusiast for decades, using his scientific credentials to stretch the laws of physical limits in order to "see further and further, unaided by satellites or wire." His latest accomplishment, apparently a first, is to work out the parameters for using the Moon as a satellite reflector for bouncing TV signals from the USA into Australia.

As regards Tony's gear, he uses an ICOM R7000 receiver, and a Jaycar 91 element UHF antenna fitted with a GaAs-Fet 20db masthead amplifier.

So far there is nothing special about that except that the antenna is mounted on a tripod 1.5 metres above the ground, with the ability to adjust both azimuth and elevation to track the moon in his sky. Fortunately a Moon setting in Oklahoma is well above the horizon in Perth, Western Australia.

The signal received by Tony is of course very, very tiny, and not enough to produce a picture he can watch, or sound that he can listen to. At this stage it is not about watching Bugs Bunny cartoons, it's a little more scientific than that.

Knowing the transmitters frequency to within a few Hertz, (yes that's right – Hertz), is very essential, as what Tony is searching for is a "beat note" indication that a carrier signal is present on the ICOM receiver.

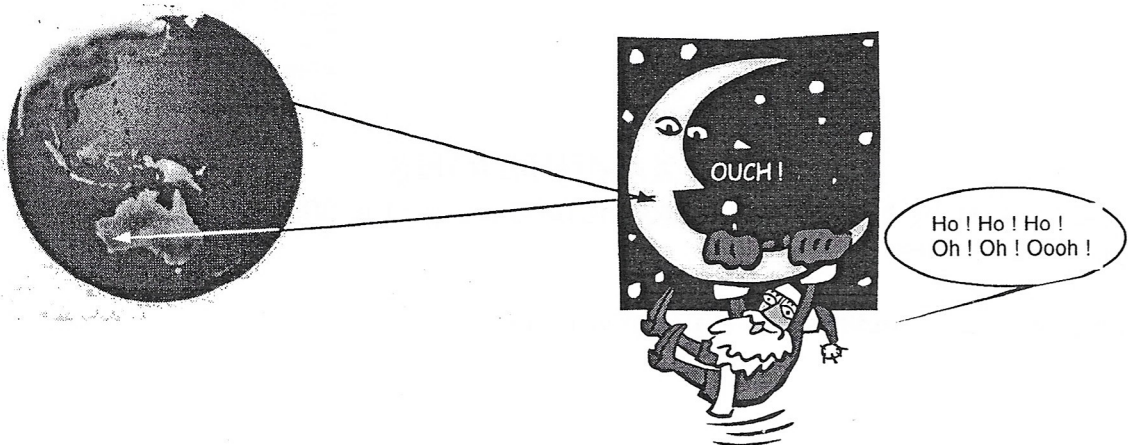
By using amateur "Moon Bounce" websites he has been able to calculate the Doppler shift for a group of likely TV stations, and then got hold of a precise TV station's transmitting frequency down to the last 2 Hertz; ie: 501.248XXX, the Xs being the Doppler shift migrated.

Results this year have included signals originating in Oklahoma and Indiana.

You can read more about Dr Tony Manns experiments on

<http://www.physics.uwa.edu.au/~agm/tvdx.html>.

Amateur Radio Newsline 19/8/02



B.A.R.G.

2003



January						
M	T	W	T	F	S	S
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31		

BARG - 31st January.

February						
M	T	W	T	F	S	S
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28		

BARG - 28th February.

March						
M	T	W	T	F	S	S
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31						

BARG - 28th March

April						
M	T	W	T	F	S	S
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30				

BARG - 25th April (ANZAC DAY)
Good Friday - 18th April.

May						
M	T	W	T	F	S	S
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	

BARG - 30th May

June						
M	T	W	T	F	S	S
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30						

BARG - 27th June

July						
M	T	W	T	F	S	S
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31			

BARG - 25th July

August						
M	T	W	T	F	S	S
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31

BARG - 29th August

September						
M	T	W	T	F	S	S
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30					

BARG - 26th September

October						
M	T	W	T	F	S	S
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31		

BARG - 31st October
HAMVENTION - 26th October ? ?

November						
M	T	W	T	F	S	S
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30

BARG - 28th November

December						
M	T	W	T	F	S	S
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				

BARG - No Meeting.

TEAR OUT HERE -

TEAR OUT HERE -

TEAR OUT
AND
USE CALENDAR FOR
FUTURE REFERENCE



WORDS FROM THE WISE

- * Stupidity: Letting the kid with the belly-ache sleep on the top bunk.
- * I only live one day at a time
But I'm 3 weeks behind !
- * Gravity always wins !
- * I must sit down and work out exactly
where I stand !
- * Don't expect too much -
I only LOOK smart !
- * Have an adequate day !!



- * Computers * Copiers
- * Faxes * Modems * Printers
- * Audio Visual Equipment
- * Sales * Service
- * Repairs
- * Training * Advice

*For all of your computing or
business office equipment,
call the friendly team at:*

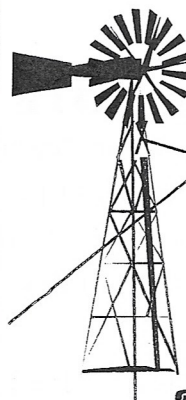
**NETLOR
COMPUTERS**

207 - 209 Armstrong St South.



5333

4655



Hewitt & Whitty

CORNER CARNHAM RD. AND
WILTSHIRE LANE

CASTROL QUALITY
PRODUCTS

☎ 5336 1344



GLASS & CHROME
CLEANER
500 ml spray

CARECLEAN PLUS Hand Cleaner
100 gm. Tubes

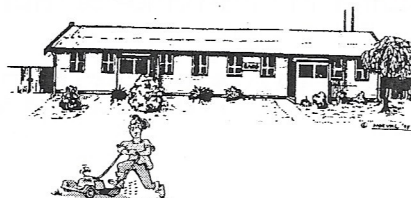
WINDSCREEN WASHER
CONCENTRATE
500 ml.

ENGINE DEGREASER
400 gm. Aerosol and 1 ltr. Tins.

DWF for TIGHT NUTS.

73 Bell VK3PH

MOWING ROSTER



MAY	John VK3CFH	Bon VK3WBB
JUNE	Steven VK3MNA	Ian VK3CIS
JULY	Bob VK3BNC	Ian VK3HFK
AUGUST	Geoffrey VK3ADB	Kevin VK3WN
SEPTEMBER	Gordon VK3FGC	Ian VK3AXH
OCTOBER	Jeff VK3PAP	John VK3CFH
NOVEMBER	Bob VK3WBB	Steven VK3MNA
DECEMBER	Bob VK3BNC	Ian VK3HFK
JANUARY	Geoffrey VK3ADB	Gordon VK3FGC
FEBRUARY	Ian VK3AXH	Bob VK3BNC

If you have any problems with the roster, motor mower or fuel, please contact Bob VK3BNC or Geoffrey VK3ADB.
Thanks for your help.



PLEASE NOTE

The content of this newsletter is dependent upon the contribution of articles from the members. If you have a story to tell or a project to share, please contact the editor at: 29 Lawrence St. Alfredton 3350 . (email: <nda@vic.australis.com.au >) or hand to a Committee Member at the meetings.

CUT OFF DATE FOR ARTICLES FOR PUBLICATION IS NOW THE SECOND MONDAY OF EACH MONTH.

B.A.R.G. The Ballarat Amateur Radio Group Inc.



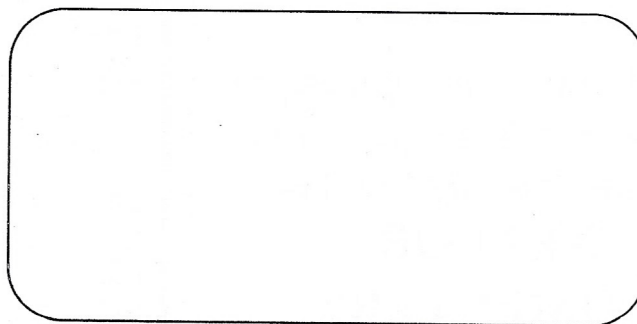
A group of radio enthusiasts licensed to experiment with local and international radio communications on an amateur basis.

NEW MEMBERS ALWAYS WELCOME.



IF UNDELIVERABLE
PLEASE RETURN
TO: BOX 1261
MAIL CENTRE
BALLARAT 3354

B.A.R.G. NEWS



For Sale By Tender

Two Way Radio Equipment and Miscellaneous Items

The following items form part of the deceased estate of Mr John Richard Smethurst (VK3TJ) formerly of 90 Raglan Street, Daylesford. These items are offered for sale by tender.

All tenders should be addressed to;
 Ms Tennille Rodd
 State Trustees
 168 Exhibition Street
 MELBOURNE 3000
 Email tlr@statetrustees.com.au

Tenders should clearly indicate the tenderers name, address, daytime contact telephone number. Tenders close Friday December 20, 2002.

Further information or inspection of the items can be arranged by telephoning David Vemer on 0428 510 404. The items are stored in Maldon, Victoria.

Item No.	Make	Model	Description
Two Way Radio Equipment			
1	National Panasonic	GX600M	5 Band Receiver (FM, MW, Marine, SW1, SW2)
2	Oskerblick	SWR-200	SWR Meters (x2)
3	Kenwood	MC 85	Desktop Microphone (Two way Radio)
4	Plessey		Mobile Radio Extension Speaker
5	Arlec	PS353	Regulated 13.8V Power Supply
6	Minipa		Panel DC Voltmeter
7	Benchner Inc	YA-1	Low Pass Filter 1.8-30Mhz
8	Radio Shack	22-305	RF Frequency Counter
9	Kenwood	SP23	Extension Speaker
10	Kantronics	Packet Communicator 3	Packet Radio Modem
11	Kantronics	KanPlus	Packet Radio Modem HF, VHF
12	Tokyo Hy-Power	HL-85V	144Mhz All power mode amplifier
13	Realistic	Pro-2026	20-9148A Scanning Receiver
14	DSE		VHF Wattmeter
15	Barlow Wadley	XCR MK2	Receiver
16	Kenwood	TS-790A	144/430/1200Mhz All mode Triband Transceiver
17	Kenwood	VFO-820	Remote VFO
18	DSE	Cat D-3800	3-15V Regulated Power Supply 25A
19	Trio	TS-820S	SSB Transceiver
20	DSE		13.8V Rack mounted Power Supply 1.5kA
21	MFJ	MFJ-989C	Versa Tuner V, 3 kW Series Roller Tuner
22	Philips	FM900	Transceiver, with mobile antennae

23	Uniden	Pro-150C	Transceiver, with mobile antennae
24	Yaesu	FT1500M	Transceiver, with mobile antennae, 146.450-147.250, 161.025, 163.575Mhz
25	Philips	FM620	UHF Transceiver with mobile antennae
26	MFJ	MFJ-1118	Deluxe high current, DC switched 5 outlet power board 35A
27	Philips	FM 828/25	Unknown equipment
28	Philips	3502 399 0	Unknown equipment
29	Tech	Model TE-25	Unknown test equipment
30	Sylvania	JAN 6146W	Valve - New
31	Matsushita	S2001	Valves (x2) - New
32	Mullard	12BY7A	Valves (x3) - New
33	Mullard	BY74	Valve - New

Computer Equipment

34	Hewlett Packard	Kayak KA	Personal Computer Pentium 11 processor 4Gb Hard Drive, NEC Multisync M500 monitor.
35	Lexmark	Z22	Colour Printer
36	Canon	LBP-8 Mk111	Laser Printer
37	Colorado	Model 350	Internal Tape Drive
38	Multimedia	MS-898	1000W Super Sub Woofer Multimedia Speakers
39			Computer Desk with Hutch

Miscellaneous Equipment

40	Garmin	GPS 38	Personal GPS Navigator
41	Nokia	3210	Mobile Telephone
42	Pentax	P30N	35mm SLR Camera, 28-70mm zoom lens
43	Pentax	SFX	35mm SLR Camera, 35-70mm zoom lens
44	Sigma		70-210mm zoom lens
45	Sigma		Lens 55mm Filters - UV, Polarizing with 52mm adapters
46	Brother	Fax 470	Phone, Fax, Copier